

## ABSTRACT OF THE DISCLOSURE

An electric power steering control unit is provided which is capable of detecting a motor current stably irrespective of a temperature variation to improve steering feelings. In this control unit, a temperature detecting circuit located in the vicinity of a motor current detecting circuit detects the motor current detecting circuit, and a CPU makes reference to output characteristic data on motor current detection output to temperature detection output stored in an EEPROM to correct the motor current detection output on the basis of the temperature detection output so that the motor current detection output corrected reaches a target current value to a motor driving circuit, thus driving an electric motor which operates a steering mechanism secondarily.